

HOLBEIN ACRYLIC GOUACHE				HOLBEIN ACRYLA GOUACHE				Perm	Color Index	Color Index	Munsell
Ref No.	Color Name	Chemical Name	Series	Rating	Number	Name	Rating				
-	D099	D799	Aqua Blue	Copper Phthalocyanine, Titanium Dioxide	A	***	74160, 77891	PB15:3, PW6	9.0B	7.0/8.0	
-	D158	D858	Ash Blue	Complex of Silica, Alumina, Soda & Sulphur, Carbon, Titanium Dioxide	A	**	77007, 77266, 77891	PB29, PBk7, PW6	3.0PB	4.5/4.0	
-	D157	D857	Ash Green	Hydrous Iron Oxide, Polychloro Copper Phthalocyanine, Carbon, Titanium Dioxide	A	***	77492, 74260, 77266, 77891	PG7, PY42, PBk7, PW6	8.5G	5.5/2.5	
-	D155	D855	Ash Rose	Iron Oxide, Carbon, Titanium Dioxide	A	***	77491, 77266, 77891	PR101, PBk7, PW6	8.0R	5.5/3.0	
-	D156	D856	Ash Yellow	Hydrous Iron Oxide, Carbon, Titanium Dioxide	A	***	77492, 77266, 77891	PY42, PBk7, PW6	3.0Y	6.0/3.5	
-	D043	D748	Beige	Hydrous Iron Oxide, Iron-Manganese Oxide(Native Earth), Titanium Dioxide	A	****	77492, 77491, 77499, 77727, 77891	PY42, PBr6, PW6	2.0Y	8.5/2.5	
-	D072	D772	Blue Green	Polychloro Copper Phthalocyanine, Copper Phthalocyanine, Titanium Dioxide	A	***	74260, 74160, 77891	PG7, PB15:3, PW6	5.0BG	4.0/8.0	
-	D114	D814	Blue Violet	Fluorescent Pigment	A	----	42535	BV1	9.0PB	2.5/12.5	
-	D173	D873	Bronze	Titanated Mica	C	***	77019	PW20	-	-	
D921	D131	D831	Burnt Sienna	Iron Oxide	A	****	77491	PR101	10.0R	4.0/7.5	
-	D133	D833	Burnt Umber	Iron-Manganese Oxide (Native Earth)	A	****	77491, 77499, 77727	PBr6	5.0YR	3.0/2.0	
D901	D002	D702	Carmine	Monoazo Pigment	A	**	12475	PR170	4.0R	4.0/13.0	
-	D094	D794	Cerulean Blue	Copper Phthalocyanine, Titanium Dioxide	A	***	74160, 77891	PB15:3, PW6	2.0PB	4.5/11.0	
-	D152	D852	Chinese White	Titanium Dioxide	A	****	77891	PW6	V	9.0	
-	D093	D793	Cobalt Blue	Copper Phthalocyanine	A	***	74160	PB15:3	3.0PB	3.5/10.5	
-	D068	D768	Cobalt Green	Polychloro Copper Phthalocyanine, Monoazo Pigment, Titanium Dioxide	A	**	74260, 11710, 77891	PY3, PG7, PW6	3.0G	5.0/10.5	
-	D010	D710	Coral Red	Monoazo Pigment, Pyrazolone Pigment, Titanium Dioxide	A	**	12460, 21110, 77891	PR9, PO13, PW6	5.0R	6.5/10.5	
-	D008	D708	Cosmos Pink	Quinacridone Pigment, Monoazo Pigment, Titanium Dioxide	A	**	73915, 12485, 77891	PR122, PR146, PW6	4.0RP	5.5/11.0	
-	D037	D737	Cream Yellow	Monoazo Pigment, Titanium Dioxide	A	**	11680, 77891	PY1, PW6	5.0Y	9.0/6.5	
-	D001	D701	Crimson	Monoazo Pigment, Quinacridone Pigment	A	**	12487, 73915	PR122, PR184	10.0RP	3.5/10.5	
-	D063	D763	Deep Green	Disazo Pigment, Polychloro Copper Phthalocyanine	A	**	21108, 74260	PY83, PG7	3.0G	3.5/5.5	
-	D117	D817	Deep Magenta	Quinacridone Pigment, Dioxazine Pigment	A	**	73900, 51319	PV19, PV23	6.0RP	2.5/5.5	
-	D112	D812	Deep Violet	Dioxazine Pigment	A	***	51319	PV23	9.0PB	2.0/5.0	
D905	D033	D733	Deep Yellow	Disazo Pigment	A	**	21108	PY83	8.0YR	8.0/13.5	
-	D067	D767	Emerald Green	Polychloro Copper Phthalocyanine, Monoazo Pigment, Titanium Dioxide	A	**	74260, 11710, 77891	PY3, PG7, PW6	5.0G	6.0/9.5	
-	D041	D741	Flesh	Benzimidazolone, Nickel-Antimony Titanate, Titanium Dioxide	A	**	11780, 77788, 77891	PO36, PY53, PW6	8.0YR	8.5/4.5	
-	D171	D871	Gold	Titanated Mica	C	***	77019	PW20	-	-	
-	D071	D771	Grass Green	Polychloro Copper Phthalocyanine, Monoazo Pigment, Titanium Dioxide	A	**	74260, 11710, 77891	PY3, PG7, PW6	9.0G	4.5/9.5	
-	D061	D761	Green	Polychloro Copper Phthalocyanine, Monoazo Pigment	A	**	74260, 11710	PY3, PG7	3.0G	4.5/10.0	
-	D102	D802	Horizon Blue	Copper Phthalocyanine, Titanium Dioxide, Polychloro Copper Phthalocyanine	A	***	74160, 77891, 74260	PG7, PB15:3, PW6	5.0B	7.5/7.0	
-	D069	D769	Ice Green	Polychloro Copper Phthalocyanine, Titanium Dioxide	A	***	74260, 77891	PG7, PW6	5.0BG	7.5/6.0	
-	D042	D742	Ivory White	Hydrous Iron Oxide, Titanium Dioxide, Nickel-Antimony Titanate	A	****	77492, 77891, 77788	PY42, PY53, PW6	5.0Y	9.0/2.0	
D904	D038	D738	Jaune Brillant	Monoazo Pigment, Disazo Pigment, Titanium Dioxide	A	**	12475, 21108, 77891	PR170, PY83, PW6	3.0YR	7.5/6.5	
D922	D136	D836	Jet Black	Condensed Aniline Pigment	A	**	50440	PBk1	V	1.5	
-	D137	D837	Lamp Black	Carbon	A	****	77266	PBk7	V	1.5	
-	D070	D770	Leaf Green	Monoazo Pigment, Polychloro Copper Phthalocyanine	A	**	11710, 74260	PY3, PG7	3.0GY	8.5/12.0	
D906	D034	D734	Lemon Yellow	Monoazo Pigment	A	**	11710	PY3	9.0Y	9.0/11.5	
-	D100	D800	Light Blue	Complex of Silica, Alumina, Soda & Sulphur, Titanium Dioxide	A	***	77007, 77891	PB29, PW6	3.0PB	6.5/9.0	
D909	D062	D762	Light Green	Polychloro Copper Phthalocyanine, Monoazo Pigment	A	**	74260, 11710	PY3, PG7	9.0GY	6.0/13.0	
-	D116	D816	Light Magenta	Monoazo Pigment, Titanium Dioxide	A	**	12475, 77891	PR170, PW6	6.0RP	7.0/8.0	
-	D134	D834	Light Red Bright	Monoazo Pigment, Monoazo Pigment,	A	**	12460, 11710	PR9, PY3	8.0R	4.5/9.5	
-	D032	D732	Light Yellow	Monoazo Pigment, Titanium Dioxide	A	**	11710, 21108, 77891	PY3, PY83, PW6	5.0Y	8.5/13.0	

-	D118	D818	Lilac	Dioxazine Pigment, Titanium Dioxide	A	***	51319, 77891	PV23, PW6	9.0PB 6.5/7.5
-	D198	D898	Luminous Green	Fluorescent Pigment, Polychloro Copper Phthalocyanine	C	----	--, 72460	SY135, SY116, SY44	-
-	D197	D897	Luminous Lemon	Fluorescent Pigment	C	----	--	SY135, SY116, SY44	-
-	D196	D896	Luminous Orange	Fluorescent Pigment	C	----	45174, 45160, --	BV11:1, BR1, SY135	-
-	D195	D895	Luminous Red	Fluorescent Pigment	C	----	45174, 45160, --	BV11:1, BR1, SY135	-
-	D115	D815	Magenta	Fluorescent Pigment	A	----	45174, 48020, --	BV11:1, BV7, BV15	1.0RP 3.5/14.0
-	D185	-	Metallic Blue	Titanated Mica, Copper Phthalocyanine	C	***	77019, 74160	PB15:3, PW20	-
-	D184	-	Metallic Green	Titanated Mica, Polychloro Copper Phthalocyanine	C	***	77019, 74260	PG7, PW20	-
-	D182	-	Metallic Red	Titanated Mica, Monoazo Pigment	C	**	77019, 12485	PR146, PW20	-
-	D186	-	Metallic Violet	Titanated Mica, Dioxazine Pigment	C	***	77019, 51319	PV23, PW20	-
-	D187	-	Metallic White	Titanated Mica	C	***	77019	PW20	-
-	D183	-	Metallic Yellow	Titanated Mica, Monoazo Pigment	C	**	77019, 11680	PY1, PW20	-
-	D073	D773	Mint Green	Monoazo Pigment, Hydrous Iron Oxide, Polychloro Copper Phthalocyanine, Titanium Dioxide	A	***	11680, 77492, 74260, 77891	PY42, PY1, PG7, PW6	2.0G 7.5/5.0
-	D101	D801	Misty Blue	Complex of Silica, Alumina, Soda & Sulphur; Ferroso-Ferric Oxide, Titanium Dioxide	A	***	77007, 77499, 77891	PB29, PBk11, PW6	3.0PB 8.0/2.5
-	D074	D774	Misty Green	Anhydrous Chromium Sesquioxide, Hydrous Iron Oxide, Titanium Dioxide	A	****	77288, 77492, 77891	PG17, PY42, PW6	5.0GY 7.5/1.5
-	D044	D744	Mustard	Monoazo Pigment, Disazo Pigment, Complex of Silica, Alumina, Soda & Sulphur	A	**	11710, 21108, 77007	PY3, PY83, PB29	4.0Y 7.5/10.0
-	D040	D740	Naples Yellow	Benzimidazolone, Nickel-Antimony Titanate, Titanium Dioxide	A	**	11780, 77788, 77891	PO36, PY53, PW6	2.0Y 8.5/6.0
-	D098	D798	Navy Blue	Polychloro Copper Phthalocyanine; Complex of Silica, Alumina, Soda & Sulphur	A	***	72460, 77007	PG7, PB29	3.0PB 2.5/6.5
-	D161	D861	Neutral Grey #1	Titanium Dioxide, Carbon	A	****	77891, 77266	PBk7, PW6	V 8.5
-	D162	D862	Neutral Grey #2	Titanium Dioxide, Carbon	A	****	77891, 77266	PBk7, PW6	V 7.5
-	D163	D863	Neutral Grey #3	Titanium Dioxide, Carbon, Iron-Manganese Oxide (Native Earth)	A	****	77891, 77266, 77491, 77499, 77727	PBk6, PBk7, PW6	V 5.5
-	D164	D864	Neutral Grey #4	Titanium Dioxide, Hydrous Iron Oxide, Iron-Manganese Oxide (Native Earth), Carbon	A	****	77891, 77492, 77491, 77499, 77727, 77266	PY42, PBr6, PBk7, PW6	V 4.0
-	D065	D765	Olive	Disazo Pigment, Complex of Silica, Alumina, Soda & Sulphur	A	**	21108, 77007	PY83, PB29	5.0Y 5.5/6.5
-	D004	D704	Opera	Fluorescent Pigment	A	---	45174, 45160	BV11:1, BR1:1	7.0RP 5.5/18.5
-	D035	D735	Orange	Pyrazolone Pigment	A	**	21110	PO13	10.0R 5.5/14.0
-	D036	D736	Orange Yellow	Disazo Pigment, Pyrazolone Pigment	A	**	21108, 21110	PY83, PO13	4.0YR 7.0/14.0
-	D104	D804	Pale Aqua	Copper Phthalocyanine, Titanium Dioxide, Hydrous Iron Oxide	A	***	74160, 77891, 77492	PB15:3, PY42, PW6	1.0B 8.0/4.0
-	D181	D881	Pale Gold	Titanated Mica	C	***	77019	PW20	-
-	D120	D820	Pale Lavender	Complex of Silica, Alumina, Soda & Sulphur; Dioxazine Pigment, Titanium Dioxide	A	**	77007, 51319, 77891	PB29, PV23, PW6	7.0PB 8.0/5.0
-	D121	D812	Pale Lilac	Quinacridone Pigment, Dioxazine Pigment, Titanium Dioxide	A	**	73915, 51319, 77891	PR122, PV23, PW6	7.0P 8.0/6.0
-	D075	D775	Pale Lime	Monoazo Pigment, Polychloro Copper Phthalocyanine, Titanium Dioxide	A	**	11710, 74260, 77891	PG7, PY3, PW6	5.0GY 9.0/5.0
-	D076	D776	Pale Mint	Monoazo Pigment, Polychloro Copper Phthalocyanine, Titanium Dioxide	A	**	11710, 74260, 77891	PG7, PY3, PW6	3.0G 9.0/4.0
-	D014	D714	Pale Peach	Monoazo Pigment, Disazo Pigment, Titanium Dioxide	A	**	12460, 21108, 77891	PR9, PY83, PW6	3.0YR 9.0/3.0
-	D013	D713	Pale Pink	Monoazo Pigment, Titanium Dioxide	A	**	12460, 77891	PR9, PW6	8.0RP 8.5/4.0
-	D096	D796	Peacock Blue	Polychloro Copper Phthalocyanine, Copper Phthalocyanine, Titanium Dioxide	A	***	74260, 74160, 77891	PG7, PB15:3, PW6	10.0BG 4.0/7.0
-	D005	D705	Pink	Fluorescent Pigment, Titanium Dioxide	A	---	45174, 45160, 77891	BR1:1, BV11:1, PW6	4.0RP 7.0/15.0
D929	D193	D893	Primary Black	Carbon	A	***	77266	PBk 7	V 1.8
D928	D192	D892	Primary Cyan	Copper Phthalocyanine	A	***	74160	PB15	4PB 4/13
D926	D190	D890	Primary Magenta	Quinacridone	A	***	73915	PR122	8RP 4/13.5
D930	D194	D894	Primary White	Titanium Dioxide	A	****	77891	PW6	V 9.5
D927	D191	D891	Primary Yellow	Monoazo Pigment	A	**	11710, 11741	PY3, PY74	8Y 9/14
-	D105	D805	Prussian Blue	Complex of Silica, Alumina, Soda & Sulphur; Copper Phthalocyanine, Carbon	A	**	77007, 74160, 77266	PB29, PB15, PBk7	7PB 2.0/5.5
-	D009	D709	Pure Red	Monoazo Pigment	A	**	12475	PR170	6.0R 4.0/13.0

-	D138	D832	Raw Sienna	Hydrous Iron Oxide, Iron Zinc Oxide	A	****	77492, 77496	PY42, PY119	7.0YR 5.5/6.5
-	D132	D832	Raw Umber	Iron-Manganese Oxide (Native Earth), Hydrous Iron Oxide, Ferroso-Ferric Oxide	A	****	77491, 77499, 77727, 77492, 77499	PY42, PBr6, PBk11	10.0YR 3.5/2.0
-	D113	D813	Red Violet	Fluorescent Pigment	A	----	48020, --	BV7, BV15, AB83	7.0P 3.0/13.5
-	D006	D706	Rose	Fluorescent Pigment	A	----	45174, 48020, --, 45160, --	BV11:1, BV7, BV15, Br1, SY135, SY116, AB83	6.0RP 3.5/12.5
-	D119	D819	Rose Violet	Quinacridone Pigment	A	***	73915	PR122	6.0RP 3.5/11.0
-	D066	D766	Sap Green	Monoazo Pigment, Disazo Pigment, Polychloro Copper Phthalocyanine	A	**	12460, 21108, 74260	PR9, PY83, PG7	6.0GY 3.5/4.5
D902	D003	D703	Scarlet	Monoazo Pigment	A	**	12460	PR9	7.0R 4.5/14.0
-	D135	D835	Sepia	Iron Manganese Oxide (Native Earth), Carbon	A	****	77491, 77499, 77727, 77266	PBr6, PBk7	8.0YR 2.5/1.0
-	D011	D711	Shell Pink	Monoazo Pigment, Benzimidazolone, Titanium Dioxide	A	**	12460, 11780, 77891	PR9, PO36, PW6	7.0R 8.5/4.5
-	D172	D872	Silver	Titanated Mica	C	***	77019	PW20	-
D914	D097	D797	Sky Blue	Copper Phthalocyanine	A	***	74160	PB15	10.0B 3.5/9.5
-	D103	D803	Smalt Blue	Complex of Silica, Alumina, Soda & Sulphur; Titanium Dioxide	A	***	77007, 77891	PB29, PW6	6.0PB 5.0/12.5
-	D139	D839	Super Opaque Black	Condensed Aniline Pigment	A	**	50440	PBk1	V 1.2
-	D153	D853	Super Opaque White	Titanium Dioxide	A	****	77891	PW6	V 9.6
D925	D151	D851	Titanium White	Titanium Dioxide	A	****	77891	PW6	V 9.5
-	D095	D795	Turquoise Blue	Copper Phthalocyanine, Titanium Dioxide, Polychloro Copper Phthalocyanine	A	***	74160, 77891, 74260	PG7, PB15:3, PW6	5.0B 4.0/7.5
D913	D091	D791	Ultramarine Blue	Complex of Silica, Alumina, Soda & Sulphur	A	***	77007	PB29	6.0PB 3.5/16.0
-	D092	D791	Ultramarine Deep	Complex of Silica, Alumina, Soda & Sulphur	A	***	77007	PB29	7.0PB 2.5/16.5
-	D012	D712	Vermilion	Pyrazolone Pigment, Monoazo Pigment	A	**	21110, 12460	PR9, PO13	8.0R 4.5/13.0
D917	D111	D811	Violet	Fluorescent Pigment	A	----	42535, 48020, --	BV1, BV7, BV15, AB83	2.0P 2.5/12.5
D910	D064	D764	Viridian	Polychloro Copper Phthalocyanine, Copper Phthalocyanine	A	***	74260, 74160	PG7, PB15:3	5.0BG 3.5/6.5
-	D007	D707	Wine Red	Monoazo Pigment	A	**	12487	PR184	4.0R 3.0/8.0
-	D031	D731	Yellow	Monoazo Pigment, Disazo Pigment, Titanium Dioxide	A	**	11710, 21108, 77891	PY3, PY83, PW6	2.0Y 8.0/13.5
D907	D039	D739	Yellow Ochre	Hydrous Iron Oxide	A	****	77492	PY42	10.0YR 6.5/8.0